

## EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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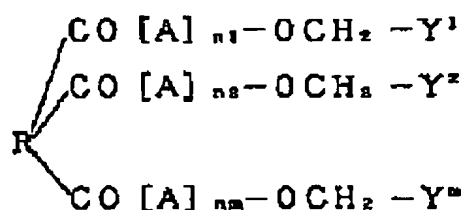
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APPLICANT : DAICEL CHEM IND LTD;

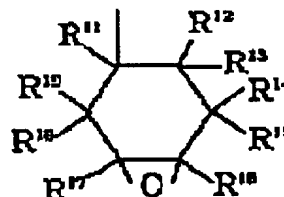
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INT.CL. : C08G 59/18 C08G 59/34

TITLE : PHOTOCURABLE RESIN  
COMPOSITION



I



II

**ABSTRACT :** PURPOSE: To obtain a photocurable resin composition containing an epoxidized polybutadiene resin, an epoxy resin and a photopolymerization initiator in specific amounts as essential components, capable of being used in a solvent-free system, mild for environment, capable of forming coating films excellent in flexibility and adhesivity by the irradiation of radiations, and useful for coatings, etc.

**CONSTITUTION:** This photocurable resin composition contains (A) 99.9-0.1 pts.wt. of an epoxidized polybutadiene resin, (B) 0.1-99.9 pts.wt. of an epoxy resin having alicyclic epoxy groups, such as a compound of formula I [R is a (alicyclic epoxy group-containing) 1-30C hydrocarbon group; A is a group of formula;  $-\text{O}(\text{CR}_1\text{R}_2)_a-\text{CO}-$  ( $\text{R}_1, \text{R}_2$  are H, a 1-9C alkyl; a is 4-8); Y is a group of formula II ( $\text{R}^1-\text{R}^{19}$  are  $\text{R}_1$ );  $m \geq 1$ ; when m is 1, R is an alicyclic epoxy group-containing 1-30C hydrocarbon group;  $nm \geq 0$ ], and (C) 0.1-20 pts.wt. of a photopolymerization initiator as essential components. Therein, the total amount of the components A and B is 100 pts.wt..

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